

## mica sheet for household electrical appliances

type		muscovite plate HP5M	phlogopite plate	muscovite flexible plate	phlogopite flexible plate	high thickness mica plate
binder	silicon resin					
mica content	≥90%					> 85%
binder content	≤10%					10-15%
thickness(mm)	0.10-2.0					2.0-50.0
thickness tolerance (mm)	average	±0.02~±0.05		±0.02~±0.25		~
	individual	±0.05~±0.08		±0.04~±0.06		~
density (g/cm <sup>3</sup> )	1.6~2.3					2.1~2.25
heat loss at 500°C	≤1.00	≤0.60	≤2.00		≤2.00	≤1.00
flexural strength (kgf/mm <sup>2</sup> )	≥18	≥16	~		~	~
dielectric strength (kv/mm)	> 20	> 18	> 15		> 15	> 25
insulation resistance (MΩ)	200~600	100~600	~		~	~
long run work temperature	500°C	800°C	500°C		800°C	550~1000°C
standard size	300* 300 1000*600 1000*1200 1000*2400					
standard reference	GB5019-85,IEC371					

**application and characteristics**

- 1, it is used for electrical equipment as the character of high temperature-resistance and insulation.
- 2, it is the best quality fire proof and fire-resistant material.
- 3, electrical equipment with mica plate can continue the normal circuit operating at 500~800°C